

Ruchit Karnawat

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Education

DEGREE/GRADE	INSTITUTION	SCORE
B. Tech CSE (2016-2020)	NIT KURUKSHETRA (IIIT, SONEPAT)	7.08/10 CGPA
Senior Secondary (2016)	B. R. BIRLA PUBLIC SCHOOL, JODHPUR	92.2% (CBSE)
Secondary (2014)	B. R. BIRLA PUBLIC SCHOOL, JODHPUR	10/10 CGPA

Experience

AARMON TECH.

INTERN

May 2019 – July 2019

- **Teaching Assistant** in onsite classes of **Data Structures** for a batch of 15 students in **C and C++**.
- Organized Doubt Sessions | Delivered Backup Lectures | Assisted during the Main Lectures.
- **Topics taught:** Basics, Array, String, Linked List, Stack, Queue, Tree, Trie, Heap and Graph.

AARMON TECH.

TRAINEE

May 2018 – July 2018

- Completed training on **MACHINE LEARNING STANDARD MODULE** and scored '**A**' grade.
- **Sentiment Analysis** using data from **Twitter API**, **Handwritten Digit Recognition** using **Sklearn**.
- Assistant Teacher in a 7 day Summer Training Program on **Python** for **teachers of JIET college**.

Projects

Movies' Bucket App | Node.js, Express, React.js, MongoDB, HTML, CSS, JavaScript, Bootstrap

Search movies and **get all information:** Title, Poster, IMDB Rating, Language, Genre, Actors, etc. **Watch Trailer**, **Add Movies** to the Bucket, **Mark Favourites**, Mark watched/unwatched, Move to Bin and **Delete**. An **MVC CRUD App Deployed** on **Heroku** made using **MERN stack, OMDB API, Youtube API, OAuth 2.0, and Bcrypt**. Profile information **stored on local storage** when you log in.

Five Minute Resume | Node.js, Express, React.js, HTML, CSS, JavaScript, Bootstrap

Enter information about your Education, Experience, Skills, etc., Choose from **11 different styles** and **download** the resume. An **MVC App Deployed** on **Heroku** made using **React.js and Node.js**. Used **html-pdf Package** to convert HTML page to PDF. **This Resume is made using Five Minute Resume App**.

Food Shala | HTML, CSS, JavaScript, Bootstrap, PHP, MySQL

Select food from different Restaurants, **Add to Cart** and **Order**. Restaurants can **Add or Delete food items**. A **CRUD** website - food delivery system made using **HTML, CSS, JavaScript, Bootstrap, PHP**, and **MySQL** with **Cart Functionality, Password Encryption, Cookies**, and Preference: Veg/Non-veg on sign up. Database **normalized in BCNF**.

Smart Dustbin | Python, Keras, OpenCV, Raspberry Pi 2B+

The Dustbin **classifies waste** into biodegradable/non-biodegradable and **rotates its lid** to dispose the waste correctly. Uses **object recognition**, prediction and **classification** using **Keras, Sklearn** and **OpenCv** on **Raspberry Pi 2B+** with **91% accuracy**.

Fastag Extention | Python, fast2sms API

Extends the concept of **Fastag** used for Automated Toll Collection to include 2 new features: **Police Challan collection** and **Petrol Pump Payments**. Uses '**requests**' Package and **fast2sms API** for sending **OTP** and Update information through SMS.

Skills

BACKEND: C, C++, Node.js, Express.js, Python, PHP, Java

FRONTEND: HTML, CSS, Bootstrap, Javascript(Templating Engine: EJS, Mustache), ReactJS

DATABASE: MySQL, MongoDB

SUBJECTS: Data Structures and Algorithms, OOPS, DBMS, OS, Data Visualization, Machine Learning

Achievements

- Received **Golden Award** in **Silver 2020 Challenge** by **Codility** for Correct Functionality and Scalability.
- Institute **Rank 5** on **GeeksforGeeks**
- **Best Student Award** in 12th standard given by **The Times Group** | Earned **Merit certificate** in class 10.